

Ref 7

2/2 WPIL - (C) Thomson Derwent

AN - 2001-592540 [67]

TI - Lawsonia intracellularis polynucleotide and encoded protein, used to prevent Lawsonia intracellularis infection

PA - (PFIZ) PFIZER PROD INC

IN - ROSEY EL

FM - JP2001169787 A 20010626 *

EP1094070 A2 20010425

PR - 1999US-P16Q922 19991022

AB - JP2001169787 A

NOVELTY - An isolated polynucleotide molecule containing a nucleotide sequence encoding HtrA, PonA, HypC, LysS, YefW, ABC1 or Omp100 protein of Lawsonia intracellularis, or it's fragment or homolog, is new.

- DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
- (1) polynucleotide molecule containing more than 20 nucleotides having promotor activity and being found in nucleotides 2691-2890 of a 5445 nucleotide sequence, fully defined in the specification, or its complement;
- (2) a recombinant vector containing the polynucleotide of (1);
- (3) a transformed host cell transformed containing the novel vector;
- (4) a polypeptide produced by the cell of (3);
- (5) a gene construct containing a polynucleotide molecule which can be used for changing Lawsonia gene;
- (6) a transformed cell containing the construct of (5);
- (7) an isolated polypeptide produced by the cell of (6);
- (8) an attenuated live vaccine containing the transformed cell of (6);
- (9) a killed vaccine containing the cell of (6) in dead form; and
- (10) an immunogenic composition containing an immunologically effective amount of the polypeptide of (3), and a carrier.
- ACTIVITY - Antibacterial.
- No biological data is given.
- MECHANISM OF ACTION - Vaccine.
- USE - The composition is useful for the prevention of Lawsonia intracellularis infection. (Dwg.0/9)